ELSEVIER

Toxicology Letters 107 (1999) 255–256

Toxicology Letters

Author index

Volume 107 (1999)

Abke, W., see Schweinsberg, F. **107**, 201
Amr, M.M., Pesticide monitoring and its health problems in Egypt, a third world country **107**, 1
Angerer, J., see Hardt, J. **107**, 89
Appl, U., see Hardt, J. **107**, 89
Arrebola, F.J., J.L. Martínez Vidal, A. Fernández-Gutiérrez, Excretion study of endosulfan in urine of a pest control operator **107**, 15

Banerjee, B.D., The influence of various factors on immune toxicity assessment of pesticide chemicals **107**, 21
Banerjee, B.D., V. Seth, A. Bhattacharya, S.T. Pasha, A.K. Chakraborty, Biochemical effects of some pesticides on lipid peroxidation and free-radical scavengers **107**, 33
Bhattacharya, A., see Banerjee, B.D. **107**, 33
Bigalke, B., see Fischer, A.B. **107**, 75
Blain, P.G., see Mutch, E. **107**, 177
Borck, H., see Diel, F. **107**, 65
Bradatsch, M., see Straube, E. **107**, 225
Butte, W., K. Kemper, A spectrophotometric assay for pyrethroid-cleaving enzymes in human serum **107**, 49

Chakraborty, A.K., see Banerjee, B.D. **107**, 33
Colosio, C., see Maroni, M. **107**, 145

Dési, I., L. Nagymajtényi, Electrophysiological biomarkers of an organophosphorous pesticide, dichlorvos **107**, 55
Diel, E., see Diel, F. **107**, 65
Diel, F., B. Horr, H. Borck, H. Savtchenko, T. Mitsche, E. Diel, Pyrethroids and piperonyl-butoxide affect human T-lymphocytes in vitro **107**, 65
Dongren, Y., L. Tao, H. Fengsheng, Electroneurophysiological studies in rats of acute dimethoate poisoning **107**, 249

Eikmann, T., see Fischer, A.B. **107**, 75
Eyer, F., see Thiermann, H. **107**, 233
Eyer, P., see Thiermann, H. **107**, 233

Fait, A., see Maroni, M. **107**, 145
Felgenhauer, N., see Thiermann, H. **107**, 233
Fengsheng, H., see Dongren, Y. **107**, 249

Fernández-Gutiérrez, A., see Arrebola, F.J. **107**, 15
Fischer, A.B., B. Bigalke, C. Herr, T. Eikmann, Pest control in public institutions **107**, 75

Gabriel, K.L., see Selim, S. **107**, 207

Hadnagy, W., N.H. Seemayer, K.-H. Kühn, G. Leng, H. Idel, Induction of mitotic cell division disturbances and mitotic arrest by pyrethroids in V79 cell cultures **107**, 81
Hadnagy, W., see Stiller-Winkler, R. **107**, 219
Hallier, E., see Müller, M. **107**, 155
Hardt, J., U. Appl, J. Angerer, Biological monitoring of exposure to pirimicarb: hydroxypyrimidines in human urine **107**, 89
Herr, C., see Fischer, A.B. **107**, 75
Horr, B., see Diel, F. **107**, 65
Hura, B.A., see Hura, C. **107**, 103
Hura, C., M. Leanca, L. Rusu, B.A. Hura, Risk assessment of pollution with pesticides in food in the Eastern Romania area (1996–1997) **107**, 103

Idel, H., see Hadnagy, W. **107**, 81
Idel, H., see Leng, G. **107**, 109
Idel, H., see Leng, G. **107**, 123
Idel, H., see Stiller-Winkler, R. **107**, 219

Jacob-Meisel, M., see Straube, E. **107**, 225
Jonkman, J.H.G., see Selim, S. **107**, 207
Jürgens, U., see Müller, M. **107**, 155

Kemper, K., see Butte, W. **107**, 49
Krüger, E., see Straube, E. **107**, 225
Kühn, K.-H., see Hadnagy, W. **107**, 81
Kühn, K.-H., see Leng, G. **107**, 109

Lange, M., see Müller, M. **107**, 155
Leanca, M., see Hura, C. **107**, 103
Leng, G., J. Lewalter, B. Röhrig, H. Idel, The influence of individual susceptibility in pyrethroid exposure **107**, 123
Leng, G., K.-H. Kühn, B. Wieseler, H. Idel, Metabolism of (*S*)-bioallethrin and related compounds in humans **107**, 109

PII: S0378-4274(99)00120-4

Leng, G., see Hadnagy, W. **107**, 81
Leng, G., see Lewalter, J. **107**, 131
Leng, G., see Stiller-Winkler, R. **107**, 219
Lewalter, J., G. Leng, Consideration of individual susceptibility in adverse pesticide effects **107**, 131
Lewalter, J., see Leng, G. **107**, 123

Maroni, M., A. Fait, C. Colosio, Risk assessment and management of occupational exposure to pesticides **107**, 145
Martínez Vidal, J.L., see Arrebola, F.J. **107**, 15
Merkel, G., see Neuber, K. **107**, 189
Mitsche, T., see Diel, F. **107**, 65
Müller-Mohnssen, H., Chronic sequelae and irreversible injuries following acute pyrethroid intoxication **107**, 161
Müller, M., P. Reinhold, M. Lange, M. Zeise, U. Jürgens, E. Hallier, Photometric determination of human serum bromide levels—a convenient biomonitoring parameter for methyl bromide exposure **107**, 155
Mutch, E., P.G. Blain, F.M. Williams, The role of metabolism in determining susceptibility to parathion toxicity in man **107**, 177

Nagymajtényi, L., see Dési, I. **107**, 55
Neuber, K., G. Merkel, F.F.E. Randow, Indoor air pollution by lindane and DDT indicated by head hair samples of children **107**, 189

Osimitz, T.G., see Selim, S. **107**, 207

Pasha, S.T., see Banerjee, B.D. **107**, 33
Pauluhn, J., Hazard identification and risk assessment of pyrethroids in the indoor environment **107**, 193
Preiss, F.J., see Selim, S. **107**, 207

Randow, F.F.E., see Neuber, K. **107**, 189
Reinhold, P., see Müller, M. **107**, 155
Rieth, K., see Schweinsberg, F. **107**, 201
Rohmann, U., see Schweinsberg, F. **107**, 201
Röhrig, B., see Leng, G. **107**, 123
Rose, H.-J., see Straube, E. **107**, 225
Rusu, L., see Hura, C. **107**, 103

Savtchenko, H., see Diel, F. **107**, 65
Schweinsberg, F., W. Abke, K. Rieth, U. Rohmann, N. Zullei-Seibert, Herbicide use on railway tracks for safety reasons in Germany? **107**, 201
Seemayer, N.H., see Hadnagy, W. **107**, 81
Selim, S., F.J. Preiss, K.L. Gabriel, J.H.G. Jonkman, T.G. Osimitz, Absorption and mass balance of piperonyl butoxide following an 8-h dermal exposure in human volunteers **107**, 207
Seth, V., see Banerjee, B.D. **107**, 33
Stiller-Winkler, R., W. Hadnagy, G. Leng, E. Straube, H. Idel, Immunological parameters in humans exposed to pesticides in the agricultural environment **107**, 219
Straube, E., see Stiller-Winkler, R. **107**, 219
Straube, E., W. Straube, E. Krüger, M. Bradatsch, M. Jacob-Meisel, H.-J. Rose, Disruption of male sex hormones with regard to pesticides: pathophysiological and regulatory aspects **107**, 225
Straube, W., see Straube, E. **107**, 225
Szinicz, L., see Thiermann, H. **107**, 233

Tao, L., see Dongren, Y. **107**, 249
Thiermann, H., L. Szinicz, F. Eyer, F. Worek, P. Eyer, N. Felgenhauer, T. Zilker, Modern strategies in therapy of organophosphate poisoning **107**, 233

van Hemmen, J.J., Biocides Steering Group on human exposure assessment: a preliminary report **107**, 95

Watterson, A.E., Regulating pesticides in the UK: a case study of risk management problems relating to the organophosphate diazinon **107**, 241
Wieseler, B., see Leng, G. **107**, 109
Williams, F.M., see Mutch, E. **107**, 177
Worek, F., see Thiermann, H. **107**, 233

Zeise, M., see Müller, M. **107**, 155
Zilker, T., see Thiermann, H. **107**, 233
Zullei-Seibert, N., see Schweinsberg, F. **107**, 201

ELSEVIER

Toxicology Letters 107 (1999) 257–258

Toxicology Letters

Subject index

Volume 107 (1999)

Acetylcholinesterase **107**, 177
Acute toxicity **107**, 177
Alternative methods of pest control **107**, 75
Assessment of occupational exposure **107**, 145
Authorization procedures **107**, 95

Biocides **107**, 95
Biological monitoring **107**, 15, 145
Biomarkers **107**, 55
Biomonitoring **107**, 89, 155
Biomonitoring method **107**, 109
Biotransformation **107**, 21

Capacity of the individual metabolic rate **107**, 131
Carboxylesterase activity in lymphocytes **107**, 123
Casuistics **107**, 161
Cell-mediated immune response **107**, 21
Chrysanthemumdicarboxylic acid **107**, 109
CNS **107**, 55
Cockroach control **107**, 75
Cockroach traps and baits **107**, 75
CYP3A **107**, 177
Cytotoxicity **107**, 81

DDT **107**, 189
Dermal absorption **107**, 207
Dermal exposure **107**, 95
Diazinon **107**, 241
Dichlorvos **107**, 55
Dimethoate **107**, 249

Endosulfan **107**, 15
Enzyme polymorphism **107**, 131
Estradiol **107**, 225
Excretion **107**, 15
Exposure assessment **107**, 95

Food **107**, 103

Glutathione **107**, 33

Hair analysis **107**, 189
Half-life time of cyfluthrin in plasma **107**, 123
Half-life time of metabolites in urine **107**, 123
Hazard identification **107**, 193
Health effects **107**, 1
Health surveillance at the workplace **107**, 145
Histamine liberation **107**, 65
Human **107**, 207
Human metabolism **107**, 109
Human physiological serum bromide level **107**, 155
Human poisoning **107**, 33
Human urine **107**, 15
Humoral immune response **107**, 21
Hydroxypyrimidine **107**, 89

Immune defense **107**, 219
Immunological parameters **107**, 219
Immunotoxicity **107**, 21
Individual susceptibility **107**, 123, 131
Indoor air **107**, 189
Indoor environment **107**, 193
Insecticide decontamination **107**, 75
Insecticide residues **107**, 75
Interferon-γ **107**, 65
Interindividual variations **107**, 177
Interleukin-4 **107**, 65
Irreversible residues **107**, 161

Lactation **107**, 55
LH **107**, 225
Lindane **107**, 33, 189
Lymphocytes **107**, 65

Malathion **107**, 33
Mass balance **107**, 207
Maternal body **107**, 103
Metabolites **107**, 89
Methyl bromide **107**, 155
Mitotic arrest **107**, 81
Mitotic spindle disturbances **107**, 81
Muscle weakness **107**, 249

PII: S0378-4274(99)00121-6

Neurotoxicology **107**, 55

Obidoxime **107**, 233
Occupational exposure **107**, 15, 155
Occupational exposure to pesticides **107**, 145
Organophosphate poisoning **107**, 233
Organophosphates **107**, 241
Oxidative stress **107**, 21, 33
Oxydemeton methyl **107**, 233

Parathion **107**, 177, 233
Pesticide applicators **107**, 219
Pesticides **107**, 1, 103
Phosphorothioate pesticides **107**, 177
Photo-metric determination **107**, 155
Piperonyl butoxide **107**, 207
Piperonyl-butoxide **107**, 65
Pirimicarb **107**, 89
PNS **107**, 55
Post-marketing prevention **107**, 145
Postweaning **107**, 55
Pralidoxime **107**, 233
Pregnancy **107**, 55
Pre-marketing prevention **107**, 145
Propoxur **107**, 33
Pyrethroid-cleaving esterases **107**, 49
Pyrethroid intoxication **107**, 161
Pyrethroids **107**, 65, 81, 123, 193

Registration **107**, 1
Repetitive nerve stimulation **107**, 249
Residues **107**, 1
Risk assessment **107**, 21, 145, 193
Risk management **107**, 145, 241

(*S*)-Bioallethrin **107**, 109
Single fiber electromyography **107**, 249
Spectrophotometric assay **107**, 49
Susceptibility **107**, 49
Symptoms **107**, 123
Synthesis **107**, 109

Testosterone **107**, 225
Three generations **107**, 55
T8-lymphocytes **107**, 225
T4-lymphocytes **107**, 225

Urine **107**, 89

Variability of toxifying and detoxifying metabolic rates **107**, 131
V79 cells **107**, 81

Wood preservation **107**, 189

Young body **107**, 103

Special Issue
Health Aspects of Environmental and Occupational Pesticide Exposure

CONTENTS

Preface ix

Pesticide monitoring and its health problems in Egypt, a Third World country
M.M. Amr (Egypt) 1
Excretion study of endosulfan in urine of a pest control operator
F.J. Arrebola, J.L. Martínez Vidal, A. Fernández-Gutiérrez (Spain) 15
The influence of various factors on immune toxicity assessment of pesticide chemicals
B.D. Banerjee (India) 21
Biochemical effects of some pesticides on lipid peroxidation and free-radical scavengers
B.D. Banerjee, V. Seth, A. Bhattacharya, S.T. Pasha, A.K. Chakraborty (India) 33
A spectrophotometric assay for pyrethroid-cleaving enzymes in human serum
W. Butte, K. Kemper (Germany) 49
Electrophysiological biomarkers of an organophosphorous pesticide, dichlorvos
I. Dési, L. Nagymajtényi (Hungary) 55
Pyrethroids and piperonyl-butoxide affect human T-lymphocytes in vitro
F. Diel, B. Horr, H. Borck, H. Savtchenko, T. Mitsche, E. Diel (Germany, Russia) 65
Pest control in public institutions
A.B. Fischer, B. Bigalke, C. Herr, T. Eikmann (Germany) 75
Induction of mitotic cell division disturbances and mitotic arrest by pyrethroids in V79 cell cultures
W. Hadnagy, N.H. Seemayer, K.-H. Kühn, G. Leng, H. Idel (Germany) 81
Biological monitoring of exposure to pirimicarb: hydroxypyrimidines in human urine
J. Hardt, U. Appl, J. Angerer (Germany) 89
Biocides Steering Group on human exposure assessment: a preliminary report
J.J. van Hemmen (The Netherlands) 95
Risk assessment of pollution with pesticides in food in the Eastern Romania area (1996–1997)
C. Hura, M. Leanca, L. Rusu, B.A. Hura (Romania) 103
Metabolism of (*S*)-bioallethrin and related compounds in humans
G. Leng, K.-H. Kühn, B. Wieseler, H. Idel (Germany) 109
The influence of individual susceptibility in pyrethroid exposure
G. Leng, J. Lewalter, B. Röhrig, H. Idel (FRG) 123
Consideration of individual susceptibility in adverse pesticide effects
J. Lewalter, G. Leng (Germany) 131
Risk assessment and management of occupational exposure to pesticides
M. Maroni, A. Fait, C. Colosio (Italy) 145
Photometric determination of human serum bromide levels—a convenient biomonitoring parameter for methyl bromide exposure
M. Müller, P. Reinhold, M. Lange, M. Zeise, U. Jürgens, E. Hallier (Germany, Chile) 155
Chronic sequelae and irreversible injuries following acute pyrethroid intoxication
H. Müller-Mohnssen (Germany) 161
The role of metabolism in determining susceptibility to parathion toxicity in man
E. Mutch, P.G. Blain, F.M. Williams (UK) 177
Indoor air pollution by lindane and DDT indicated by head hair samples of children
K. Neuber, G. Merkel, F.F.E. Randow (Germany) 189
Hazard identification and risk assessment of pyrethroids in the indoor environment
J. Pauluhn (Germany) 193
Herbicide use on railway tracks for safety reasons in Germany?
F. Schweinsberg, W. Abke, K. Rieth, U. Rohmann, N. Zullei-Seibert (Germany) 201
Absorption and mass balance of piperonyl butoxide following an 8-h dermal exposure in human volunteers
S. Selim, F.J. Preiss, K.L. Gabriel, J.H.G. Jonkman, T.G. Osimitz (USA, The Netherlands) 207

Immunological parameters in humans exposed to pesticides in the agricultural environment
R. Stiller-Winkler, W. Hadnagy, G. Leng, E. Straube, H. Idel (Germany) 219
Disruption of male sex hormones with regard to pesticides: pathophysiological and regulatory aspects
E. Straube, W. Straube, E. Krüger, M. Bradatsch, M. Jacob-Meisel, H.-J. Rose (Germany) 225
Modern strategies in therapy of organophosphate poisoning
H. Thiermann, L. Szinicz, F. Eyer, F. Worek, P. Eyer, N. Felgenhauer, T. Zilker (Germany) 233
Regulating pesticides in the UK: a case study of risk management problems relating to the organophosphate diazinon
A.E. Watterson (UK) 241
Electroneurophysiological studies in rats of acute dimethoate poisoning
Y. Dongren, L. Tao, H. Fengsheng (People's Republic of China) 249

Author index 255
Subject index 257